

**Institutional Biosafety Committee**

**1/9/2026, 12:00PM – 12:40PM**

**Teleconference**

# **Minutes**

**Voting Members Present:** Brian Taylor, Karen Scanlon, Elizabeth Bramhall, J. Kristie Johnson, John O'Neill, Irina Luzina, Janna Barcelo, Matthew Frieman, Robert Ernst, Ciaran Skerry, Alfredo Garzino-Demo, Matthew Fischer

**Voting Members Absent:** Ami A. Patel, Marianne Cloeren, Alan Schmaljohn, Ron McNeil, Melissa Morland, Anthony Kim, Joseph Gillespie, Sammy Almashat, Sherry Bohn, Jessie Duggan

**Other Person(s) Present:** Rob Allen, Shanai Mushala

**Staff Present:** Matthew Fischer, John O'Neill, Holda Ramos

## **1 Vote on Last Meeting's Minutes**

Institutional Biosafety Committee meeting on 12/05/2025

Votes to approve minutes: 12, Disapprove: 0, Abstain: 0

Ad Hoc Institutional Biosafety Committee meeting on 12/11/2025

Votes to approve minutes: 12, Disapprove: 0, Abstain: 0

## **2 New Business**

This meeting of the IBC is open to the public pursuant to the NIH Guidelines, Section IV-B-2-a-(6).

- A replacement US Government policy for Dual Use Research of Concern (or "Dangerous Gain of Function") is expected any day.
- Our next meeting is scheduled for Friday, February 6<sup>th</sup>.
- Member issues
  - None discussed.

## **3 SelectAgent Program Oversight**

- We received notification that our renewal inspection will be the week of March 1<sup>st</sup>.

## **4 Reportable Incidents**

- No reportable events occurred this month.

## **5 New IBC Submissions**

Short Title: IBC: 2575GCCC: A Phase 1b/2Study of JNJ-90014496in Adult Participants with B-cell Non-Hodgkin Lymphoma

Investigator: Ariel Fromowitz

ID: IBC-00008546  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This protocol involves the use of lentiviral transduced cells in humans. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-C-1 and is approved using universal precautions.  
Motion: Approved  
Vote: For: 12, Against: 0, Abstained: 0, Recused: 0

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Short Title: Novel mechanisms and interventions of vascular remodeling in lung injury  
Investigator: Kelly Schweitzer  
ID: IBC-00008530  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This protocol involves the use of lentiviral vectors and AAV in human cells. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-1-a using BSL-2 facilities and practices with sharps precautions for work with lentiviral vectors and III-E-1 using BSL-1 facilities and practices for work with AAV. The following modifications are required to secure approval: 1) Rewrite the abstracts to make them congruent with the work described in the protocol; 2) Add personnel; 3) change mistaken reference to "adenovirus" to "AAV"; 4) Remove the unrelated AUP number; 5) Clarify Cas9 expression; 6) Correct the NIH Guideline classification for plasmid and AAV entries; 7) Discuss consideration of off-target effects for gene editing; 8) Change "10% bleach" to "a 1:10 dilution of household bleach"; and 9) Change the infectious dose of lentivirus to "unknown".  
Motion: RMSA  
Vote: For: 12, Against: 0, Abstained: 0, Recused: 0

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## **6 Modification Discussions**

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Short Title: Identifying metastasis-specific dependencies utilizing mouse models of pancreatic cancer  
Investigator: Christina Ferrer  
ID: IBC-00007037  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of lentiviral vectors in murine cells which will be engrafted in animals. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-1-a and is approved using BSL-2/ABSL-1 facilities and practices with sharps precautions.  
Motion: Approve the Modification  
Vote: For: 12, Against: 0, Abstained: 0, Recused: 0

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Short Title: Imaging brain cell morphology and activity with genetically encoded reporters  
Investigator: Yajie Liang  
ID: IBC-00006780  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This protocol was previously approved for work with AAV constructs in animals. It has been modified to add new AAV constructs. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-4-a using BSL-1 and ABSL-1 facilities and practices. The following modifications are required to secure approval: 1) Specify procedures to be performed by individual personnel and 2) Update IACUC protocol number.  
Motion: RMSA  
Vote: For: 12, Against: 0, Abstained: 0, Recused: 0

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Short Title: Regulation of microglial activation through the generation of reactive oxygen species  
Investigator: Brian Polster  
ID: IBC-00003619  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification involves the use of lentiviral vectors in mammalian cells. This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-1-a and is approved using BSL-2 facilities and practices with sharps precautions.  
Motion: Approve the Modification  
Vote: For: 12, Against: 0, Abstained: 0, Recused: 0

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## **7 RMSA Follow-Up**

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Short Title: The Host-Microbiome Interface in Human Papillomavirus Infection and Disease Progression  
Investigator: Jacques Ravel  
ID: IBC-00008601  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This protocol involves the use of plasmids carrying the full HPV genome in human cells. This work is classified by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules as III-D-3-a and is approved using BSL-2 facilities and practices. The following modifications were made to secure approval: 1) Made corrections in the rDNA table, including indicating replication competence of produced virus, protein expression, antibiotic resistance for plasmid, and use of packaging cells, and 2) Included work with non-recombinant Risk Group 2 bacteria in the risk assessment pages.  
Status: Approved

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Short Title: Use of genetically engineered porcine organs and tissues  
Investigator: Muhammad Mohiuddin  
ID: IBC-00006063  
Reviewer(s): No Reviewer assigned for the current review cycle.  
VA-Related: No  
Discussion: This modification involves the use of tissues and organs from previously generated transgenic animals in those same animals (autologous transplants). This work is classified by the NIH Guidelines for Research with Recombinant or Synthetic Nucleic Acids as III-D-4-a and is approved using ABSL-1 facilities and practices. The following modifications were made to secure approval: 1) Added clarifying sentences to the experimental design so that it can be more readily understood by non-scientists and 2) Made it more explicit that these transgenic animals are generated elsewhere.  
Status: Approved

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Short Title: Long-term Inhibition of HIV transcription by targeting cellular CDK9 *in vivo*  
Investigator: Alonso Heredia  
ID: IBC-00003501  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This modification includes the addition of a lentiviral construct to be used in animals and cell culture. This work is classified by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules as III-D-1-a and is approved using BSL-2 and ABSL-2 facilities and practices with sharps precautions. The following modifications were made to secure approval: 1) Added more details to the experimental design for the use of lentivirus *in vivo*, 2) Updated IACUC protocol information, and 3) Updated post exposure therapy recommendations with the latest information for lentivirus.  
Status: Approved

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## **7 Periodic Reviews of Protocols with Recombinant or Synthetic Nucleic Acid Molecules**

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Short Title: Learning molecular biology techniques  
Investigator: Matthew Frieman  
ID: IBC-00008178  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Live attenuated *Klebsiella pneumoniae* vaccines  
Investigator: Scott Baliban  
ID: IBC-00007289  
Analyst: John O'Neill

VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Development of Salmonella Group C vaccines  
Investigator: Scott Baliban  
ID: IBC-00002538  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Understanding mechanisms in primary headaches through experimental studies in rodents  
Investigator: Simon Akerman  
ID: IBC-00005112  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Gene Therapy to treat mouse models with PKD  
Investigator: Patricia Outeda Garcia  
ID: IBC-00008008  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Intercellular Signaling in Bone  
Investigator: Joseph P Stains  
ID: IBC-00001617  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: UMB Adeno-Associated Virus Vector Core  
Investigator: Ramesh Chandra  
ID: IBC-00005204  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Effect of Semaphorin 4D Blocking Antibodies on Growth and Vascularity of anti-VEGF Therapy Resistant Tumors.  
Investigator: John Basile

ID: IBC-00001482  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: IBC Submission: 2372GCCC: CD19.20.22 CAR T-cells for Patients with Relapsed/Refractory B-Cell Lymphomas  
Investigator: Djordje Atanackovic  
ID: IBC-00007478  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Conjugate vaccines to prevent Klebsiella pneumoniae and Pseudomonas aeruginosa infections  
Investigator: Scott Baliban  
ID: IBC-00002773  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Interactions of Dinoflagellate Proteins in a Heterologous System  
Investigator: Allen Place  
ID: IBC-00006706  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Effect of Semaphorin 4D Blocking Antibodies on Growth and Vascularity of anti-VEGF Therapy Resistant Tumors.  
Investigator: John Basile  
ID: IBC-00001482  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Study of ARID4B function in cancer  
Investigator: Mei-Yi Wu  
ID: IBC-00007326  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Psychiatric disorders and induced pluripotent stem cells (iPSCs)  
Investigator: Seth Ament  
ID: IBC-00003939  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Rapid Phenotyping of Viral Genomes of Zika virus (ZIKV) and SARS-CoV-2  
Investigator: Richard Zhao  
ID: IBC-00003629  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Use of replication-deficient adenoviruses and bleomycin in animals and cell culture; The Central Role of IL-33 in Immune-Mediated Scarring  
Investigator: Irina Luzina  
ID: IBC-00000333  
Analyst: Holda Ramos  
VA-Related: Yes  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Methods for cell specific modulation of proliferation and migration  
Investigator: Rajabrata Sarkar  
ID: IBC-00001767  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Sexual differentiation of rodent brain  
Investigator: Margaret McCarthy  
ID: IBC-00001615  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: IBC Submission: 2372GCCC: CD19.20.22 CAR T-cells for Patients with Relapsed/Refractory B-Cell Lymphomas  
Investigator: Djordje Atanackovic  
ID: IBC-00007478  
Analyst: John O'Neill

VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Role of ion channels and transporters in brain swelling following ischemic stroke  
Investigator: Vladimir V. Gerzanich  
ID: IBC-00006276  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Understanding and targeting breast cancer metastasis-initiating circulating tumor cells and niches  
Investigator: Min Yu  
ID: IBC-00007171  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Development of attenuated Salmonella enterica serovars Paratyphi A, Enteritidis, and Typhimurium as human vaccines.  
Investigator: Scott Baliban  
ID: IBC-00000399  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Mechanisms of cell death, cell cycle and inflammation after brain and spinal cord injury.  
Investigator: Alan Faden  
ID: IBC-00001801  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Endocrine Actions of Sclerostin  
Investigator: Ryan Riddle  
ID: IBC-00006696  
Analyst: John O'Neill  
VA-Related: Yes  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Use of soluble Gaussia luciferase as a marker to quantitatively monitor efficacy of anti-BCMA CAR-T cells in mice

Investigator: Lishan Su  
ID: IBC-00006740  
Analyst: John O'Neill  
VA-Related: No  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Viral Protein R (Vpr) in HIV-associated Brain Neuroinflammation and Neurotoxicity  
Investigator: Richard Zhao  
ID: IBC-00005277  
Analyst: John O'Neill  
VA-Related: Yes  
Discussion: There have been no substantive changes to this protocol submission.

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Short Title: Molecular Drivers of Pulmonary Vascular Remodeling in PH-HFpEF  
Investigator: Yen-Chun (Charly) Lai  
ID: IBC-00008473  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This modification has been administratively approved for changes in personnel.

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Short Title: Development, Validation, and Manufacturing of genetically modified T-cells  
Investigator: Kim Hankey  
ID: IBC-00006199  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification has been administratively approved for updates to laboratory locations and biosafety cabinet certification dates.

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Short Title: Abnormal DNA repair in cancer  
Investigator: Feyruz Rassool  
ID: IBC-00000289  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification has been administratively approved for changes in personnel.

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Short Title: Periodontal Disease Pathogenesis and Periodontal Tissue Development/Regeneration  
Investigator: Vivek Thumbigere Math  
ID: IBC-00004488  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This modification has been administratively approved for work with human oral samples that may contain HIV.

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Short Title:	Vaccine in a salt shaker
Investigator:	Shiladitya DasSarma
ID:	IBC-00001976
Analyst:	John O'Neill
VA-Related:	No
Discussion:	There have been no substantive changes to this protocol submission.

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Short Title:	Virotherapy for vaccine and oncology applications
Investigator:	Bolni Nagalo
ID:	IBC-00008432
Analyst:	Holda Ramos
VA-Related:	No
Discussion:	This modification has been administratively approved for changes in personnel.

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Short Title:	Cellular Immunotherapy/Immunomonitoring
Investigator:	Tim Luetkens
ID:	IBC-00006040
Analyst:	Holda Ramos
VA-Related:	No
Discussion:	This modification has been administratively approved for changes in personnel and the update of biosafety cabinets certification date.

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Short Title:	Labeling glioma or neural stem cells with fluorescent reporters for multiplex single cell tracking
Investigator:	Yajie Liang
ID:	IBC-00006162
Analyst:	Holda Ramos
VA-Related:	No
Discussion:	There have been no substantive changes to this protocol submission.

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Short Title:	Specific cell protein depletion using small inhibitory RNA species
Investigator:	Stephen Thom
ID:	IBC-00003564
Analyst:	John O'Neill
VA-Related:	No
Discussion:	This modification has been administratively approved for the use of human cells <i>in vitro</i> .

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Short Title:	Molecular mechanism of host immune response
Investigator:	Greg Snyder
ID:	IBC-00004076
Analyst:	John O'Neill

VA-Related: No  
Discussion: This modification has been administratively approved for a change in personnel.

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Short Title: Screening of BSL2 viruses with anti-viral compounds  
Investigator: Matthew Frieman  
ID: IBC-00002948  
Analyst: Holda Ramos  
VA-Related: No  
Discussion: This modification has been administratively approved for addition of a new wild type influenza strain using BSL-2 facilities and practices.

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Short Title: Engineering adenoviral vectors as vaccines for infectious disease  
Investigator: Lynda Coughlan  
ID: IBC-00005922  
Analyst: John O'Neill  
VA-Related: No  
Discussion: This modification has been administratively approved for the addition of several (non-recombinant) strains influenza used *in vitro* using BSL-2 facilities and practices.